

Abstract of the Disclosure

The present invention relates to a process for the electrolytic transformation of at least one furan-based starting compound (A) in an electrolysis circuit. This process may be carried out in an electrolysis cell and include the electrolytically oxidizing the furan-based starting compound (A) to produce at least one alkoxylated furan compound (B) which has a C-C double bond in the five-membered heterocyclic ring, and hydrogen followed by hydrogenating the C-C double bond using hydrogen obtained at a cathode in the oxidizing step, hydrogen fed to the electrolysis circuit from outside or by electrocatalytic hydrogenation.